

HORIZONTAL ANGLE GUARD STRAPPING MACHINE



Main components of horizontal strapping machine

High performance friction strapping head

Basic machine frame with two columns and cross beam, the lift motor drive by converter, runs more smoothly

Strap tension equalizer device, balanced each corner force

Independent strap band dispenser equipment with liner ball guide slide, electric magnet brake, buffer system, avoid damage strapping band

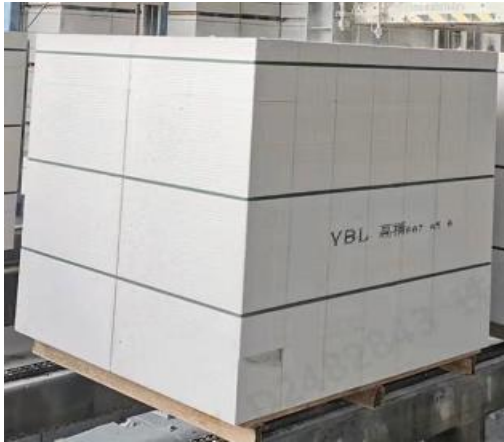
Based on SIMENS S7-200SMART electric control system and control panel, independent control cabinet is available

Horizontal packers parameters

Items	Parameter		Remarks
Machine size			
Power	3000W		
Power supply	3P5L AC 380V/50Hz		
Press air consumption	0.5mpa, 100NL/Min		Electronic control plate can be selected according to demand
Gross weight	1172KG	62KG Band dispenser	
		80KG Control desk	
		150KG Wood container	
Net weight	880KG		
Package dimension	3500*2000*1400 (L*W*H)		
Scope of pallet lode size	1200*1200*2000 (L*W*H)		Can be customized according to requirements
Minimum cargoheight	300mm		Can be customized according to requirements
Strapping force	20-250KG (200-2500N)		Optional large tensile movement
Band material	PET		
Band type	Width: 9-16mm Thickness: 0.55-1mm 406mm paper roller,20KG/R		
Joint type/interface strength	Friction welding /80%		
Strapping cycle time	60 P/H		
Joint position	Side		
Belt feeding position	Any height		
Movement travel	500mm		
Interface	Ethernet		
Strapping position mode	20		

Application industry, optional

Building materials



Fresh fruit



Chemical



Logistics



Optional --- Vertical molding module



Specification Parameters

No.	Items	Parameter	Remark
1	Angle guard size	50*50*5* (800-2400)	Customized
2	Storage number of corner guard bins	100	
3	Efficiency	25 P/H	

Why choose us?

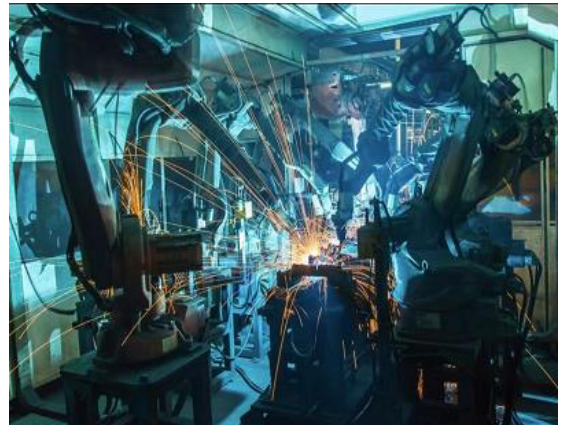


Process

- Quality control from the supply chain to the client
- Single piece flow lean production model
- Strong own supply chain and supporting supply chain
- Designed to meet the needs of different models

Movement

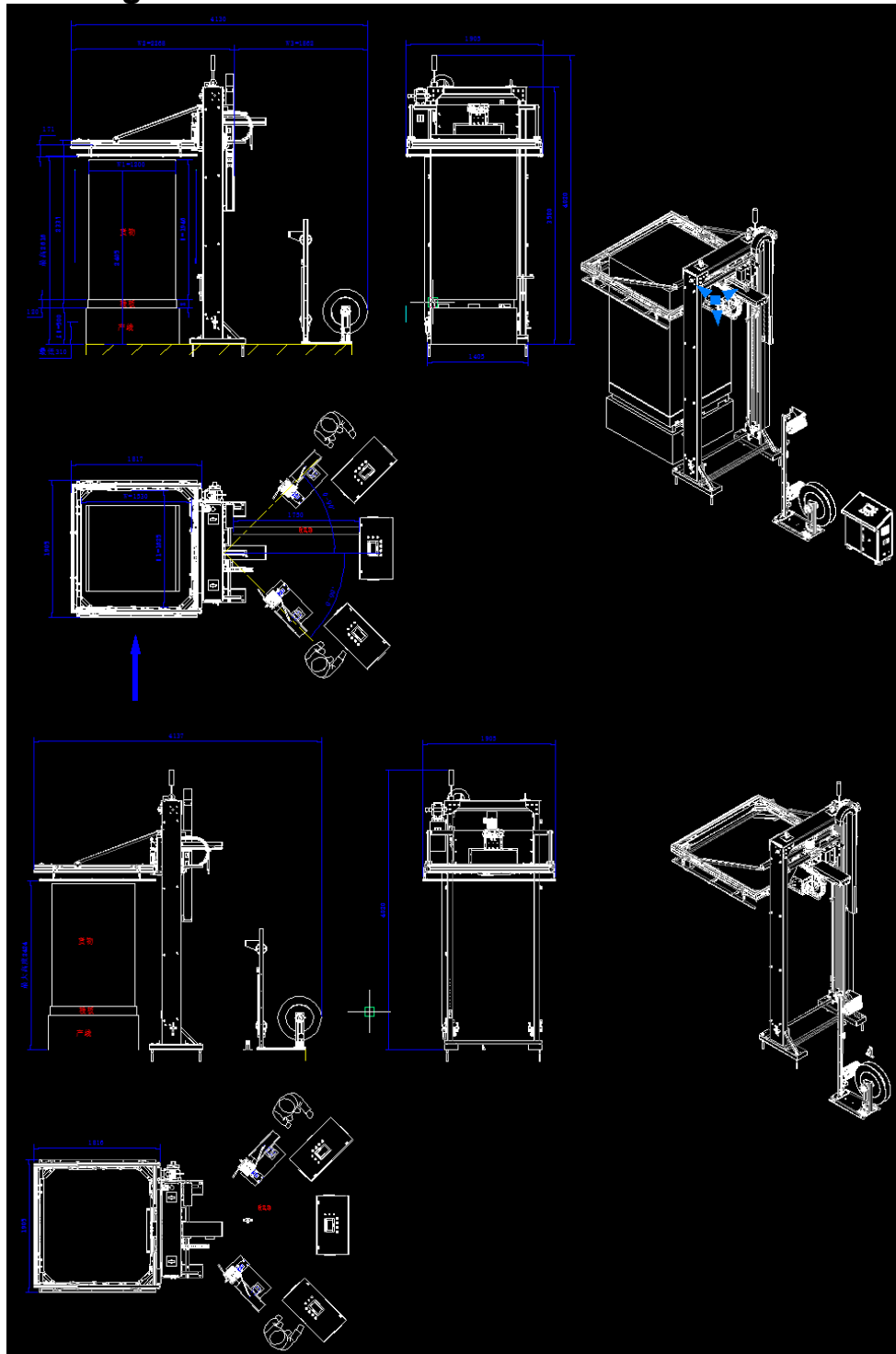
- Independent research and development
- Life span over a million times
- Binding strength can be adjusted automatically
- Modular design
- Don't pick the straps

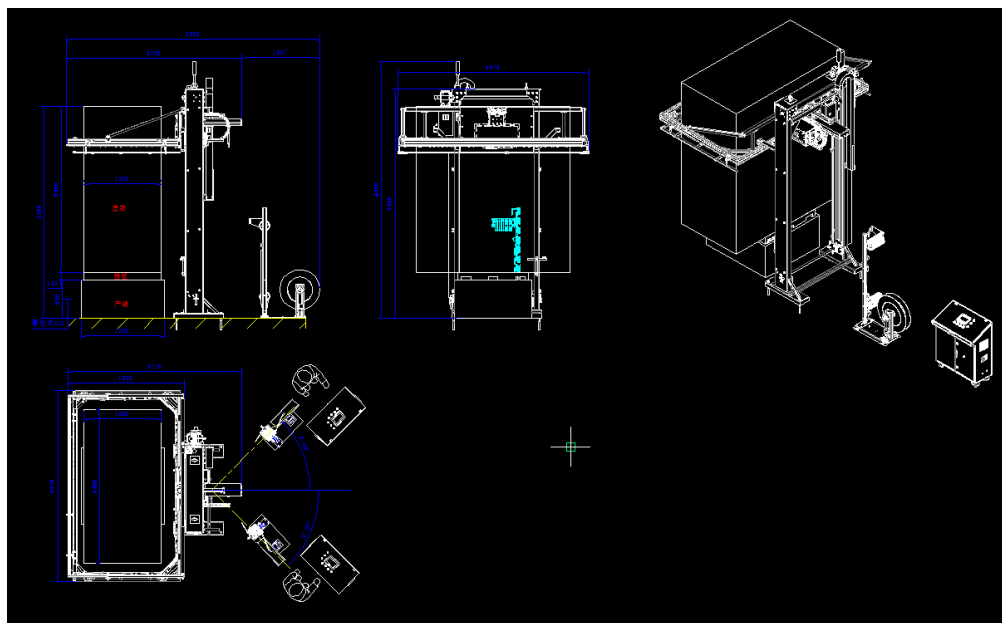


Service


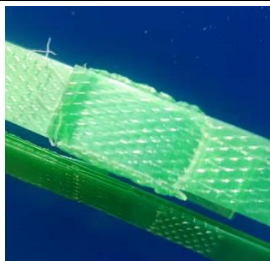
- Professional maintenance team is 18 hours away
- Parts will be delivered within 72 hours
- Professional construction and installation team and staff training
- Delivery within 40 days from the next day

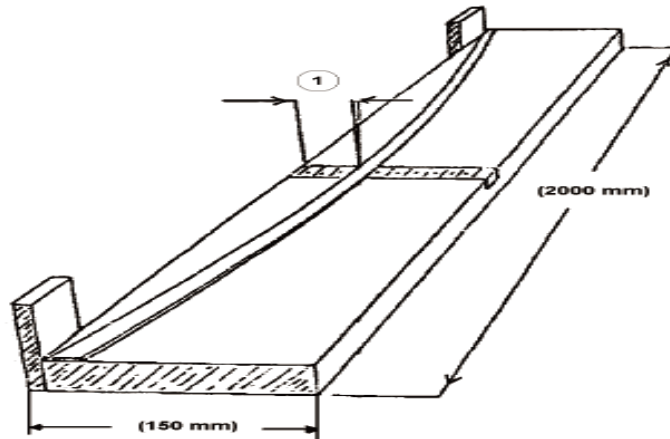
Drawing of dimensions





Selection and analysis of consumables

Type	W mm	T mm	KG	M	I.D. mm	O.D. mm	R. w.mm	Photos
PET	9	0.6	20		406		150	
	12	0.6	20	2140	406		150	
	16	0.8	20	1250	406	580	150	
PP	13.5	0.8	10	1440	200			
	15	0.8	10	1220	200			
PET machine belt: surface embossed/smooth; Straightness and skew meet the standard; The appearance is smooth and smooth without bumps and tears; Uniform thickness								
PP machine belt: surface embossed/smooth; Straightness and skew meet the standard; The appearance is smooth and smooth without bumps and tears; Uniform thickness; The rigidity meets the requirements of automatic belt								
Effect of welding	PET					PP		



Key
1 Camber

Figure 1 — Camber

Use consumable offset standard for strapping equipment:

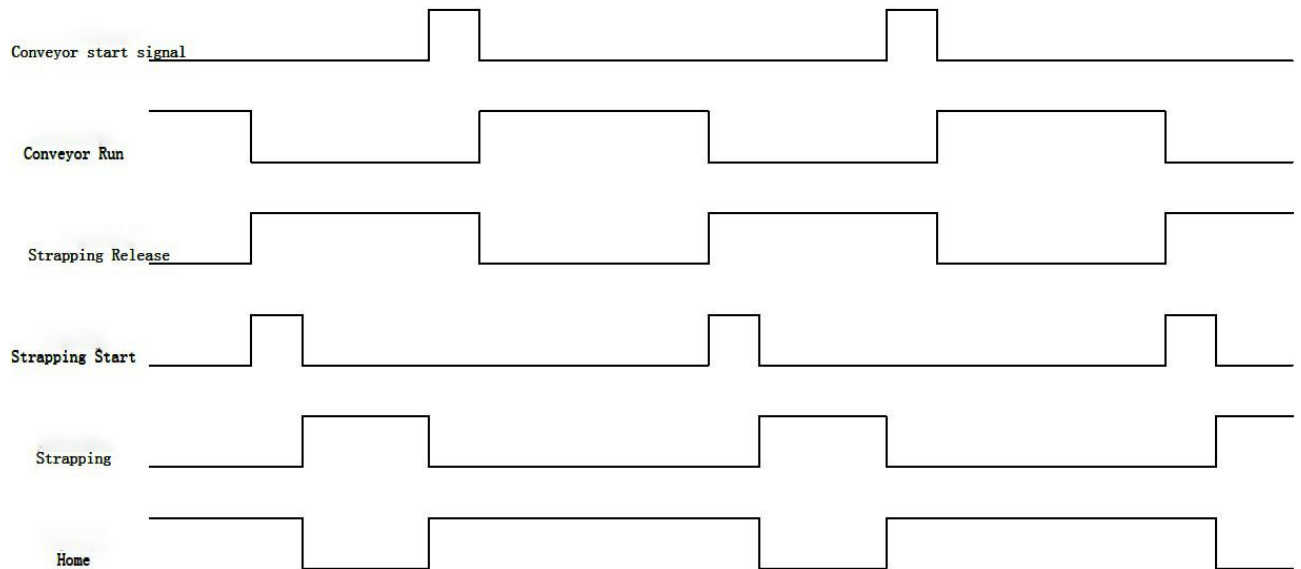
1. 1. The width of the strapping tape is 7 mm to 11mm, and the maximum skew is less than 150mm or 2000mm.
2. 2. The width of the strapping tape is 12 mm to 16mm, and the maximum skew is less than 120mm or 2000mm.
3. (Skewness refers to the degree to which the packing belt will naturally offset to the left or right when it is stationary and flat. The skewness value is small and the packing belt is straight. It can smoothly pass the packing belt track during the packing operation, and the area of the packing belt is large. On the contrary, when the skew value is large, it is difficult for the packing belt to derail through the packing track during the packing operation, which makes it difficult to carry out the packing operation normally, or the lap area of the packing belt is small, and the tensile fracture load at the lap is low, which is easy to cause unpacking.)

Sequence of operation

1. The package is conveyed into the strapping position.
2. A volt-free signal is given from customer's control system to the horizontal strapping machine.
3. The carriage with strap track module and strapping head moves downwards to the first pre-selected strapping position.
4. The strap is fed around the track, the head and the strap track guide travel to each side of the package.
5. The strapping cycle is started. The strap is pulled back, tensioned, sealed and cut off.
6. Head and strap track guide retract and the carriage moves to the next strapping position.
7. Further straps according to pre-selected teach-in program.
8. After completing the programme, the machine sends a volt-free signal back to the conveyor control system to transport the load out of the machine.

Sequence Diagram

Sequence diagram for customer



Exchange Signal

